

File No. 10662-86US MG/sl

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lawrence C. Smith et al.
Serial No.: 10/019,375
Filing date: March 5, 2002
Title: TELOPHASE ENUCLEATED OOCYTES FOR
NUCLEAR TRANSFER
Group Art Unit: 1632

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
FEE REQUIRED

Sir:

Pursuant to the duty of disclosure under 37 CFR 1.56, copies of the references listed on the attached PTO Form SB/08A/B are submitted herewith.

The Commissioner is hereby authorized to charge the fee of \$180.00, required for late submission of this Information Disclosure Statement in accordance with 37 CFR 1.97(c), to Deposit Account Number 19-5113. The Commissioner is further authorized to charge any fees which may be required, or credit any overpayment to the Deposit Account # 19-5113.

In accordance with 37 CFR 1.97(h), the submission of the present information is not to be construed as an admission that such information is, or is considered to be material to patentability.

The Examiner is kindly requested to consider these references during the examination of the above-identified application, making the references of record, and to return an initialed copy of the Form SB/08A/B to the undersigned agent.

Respectfully submitted,

Lawrence C. Smith et al

By:

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Encls: Copies of references
Form PTO/SB/08A/B

Substitute for form 1449A and B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **1** of **2****Complete if Known**

Application Number	10/019,375
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First Named Inventor	Lawrence C. Smith et al.
Art Unit	1632
Examiner Name	
Attorney Docket Number	10662/86US MG/sl

U.S. PATENT DOCUMENTS

Examiner Initials*	No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A1	US 6,580,017	06-17-2003	Echelard, Y. et al.	
	A2	US 4,994,384	02-19-1991	Prather, R.A. et al.	
	A3	US 5,057,420	10-15-1991	Massey, Joseph M.	
	A4	US 5,843,754	12-01-1998	Susko-Parrish, J.L. et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant Of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	B1	WO 97/07668 (PCT/GB96/02098)	03-06-1997	Campbell K. et al.		
	B2	WO 00/25578	05-11-2000	Baguisi, A. et al.		
	B3	WO 00/26357	05-11-2000	Echelard, Y. et al.		
	B4	WO 98/30683 (PCT/US98/00002)	07-16-1998	Stich, S. et al.		
	B5	WO 99/01163 (PCT/US98/12800)	06-24-1998	Stice, S. et al.		
	B6	WO 99/01164 (PCT/US98/12806)	01-14-1999	Stice S. et al.		
	B7	WO 98/07841 (PCT/US97/12919)	02-26-1998	Robl, J. et al.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	SIMERLY C. et al., Molecular Correlates of Primate Nuclear Transfer Failures, Science, 11 April 2003, vol. 300, 297	
	C2	MITALIPOV, S. M. et al., Rhesus Monkey Embryos Produced by Nuclear Transfer from Embryonic Blastomeres or Somatic Cells, Biology of Reproduction, 66, 2002, 1367-1373	
	C3	POLEJAEVA I.A. et al., Cloned pigs produced by nuclear transfer from adult somatic cells, Nature, 7 September 2000, vol. 4, 86-90	
	C4	WESTHUSIN M. E. et al., Cloning to reproduce desired genotypes, Theriogenology, 55, 2001, 35-49	
	C5	MEIRELLES F. V., Complete Replacement of the Mitochondrial Genotype in a Bos indicus calf Reconstructed by Nuclear Transfer to a Bos Taurus Oocyte, Genetics 158, May 2001, 351-356	
	C6	FEHILLY, C. B., Cytogenetic and blood group studies of sheep/goat chimaeras, J. Reprod. Fert. (1985) 74, 215-221	
	C7	PENNISI et al., Clone A Hard Act to Follow, Science, 9 June 2000, vol. 288, 1722-1727	
	C8	CIBELLI et al., Bovine Chimeric Offspring Produced by Transgenic Embryon Stem Cells Generated from Somatic Cell Nuclear Transfer Embryos, Theriogenology, 1 January 1998, vol. 49, no. 1, 236	



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Substitute for form 1449A and B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
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		Art Unit	1632		
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	10662/86US MG/sl

C9	SCHNIEKE et al., <i>Human Factor IX Transgenic Sheep Produced by Transfer of Nuclear from Transfected Fetal Fibroblasts</i> , Science, 19 December 1997, vol. 278, 2130-2133
C10	In re Brown, 59 CCPA 1036, 459 12d 531, 173 USPQ 685 (1972)
C11	In re Wands, 858 F. 2d 731, 8 USPQ2d 1400 (Fed. Cir. 1998)
C12	In re Best, Bolton, and Shaw, 195 USPQ 430, 433 (CCPA 1977)
C13	KEEFER, C.L. et al., (1996) <i>Isolation and maintenance of putative embryonic cells derived from Nigerian Dwarf goat embryos</i> , Biol. Reprod. 54: abst. 462
C14	ROBERTSON, E.J., 1987, <i>Embryo-derived stem cell lines</i> , pp. 71-112, Teratocarcinomas and embryonic Stem cells: a practical approach, edited by E.J. Robertson. IRL Press, Oxford
C15	WHEELER, M.B., 1994, <i>Development and validation of swine embryonic stem cells: a review</i> . Reprod. Fertil. Dev. 6: 563-568

Examiner Signature		Date Considered	
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*EXAMINER; Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.